SHORT COMMUNICATION

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V. A. Trjapitzin. *HOMALOTYLUS HEMIPTERINUS* (DE STEFANI, 1898) (HYMENOPTERA: ENCYRTIDAE) IN THE RUSSIAN FAR EAST. – Far Eastern Entomologist. 2013. N 268: 9-12.

Summary. A common Far Eastern parasitoid of larvae and pupae of ladybirds (Coccinellidae) has been mentioned in literature under three different names: *Homalotylus flaminius* (Dalman, 1820) in 1967, 1975, 1982, 1987, 1989, and 1995; as *H. eytelweinii* (Ratzeburg, 1844) in 2011; and finally correctly as *H. hemipterinus* (De Stefani, 1898) in 2012.

Key words: Hymenoptera, Encyrtidae, Homalotylus, taxonomy, Russia.

B. A. Тряпицын. *Homalotylus hemipterinus* (De Stefani, 1898) (Hymenoptera: Encyrtidae) на Дальнем Востоке России // Дальневосточный энтомолог. 2013. N 268. C. 9-12.

Резюме. Обычный дальневосточный паразитоид личинок и куколок божьих коровок (Coccinellidae) упомянут в литературе под 3 разными названиями: *Homalotylus flaminius* (Dalman, 1820) в 1967, 1975, 1982, 1987, 1989 и 1995 гг.; *H. eytelweinii* (Ratzeburg, 1844) в 2011 г.; и наконец правильно, как *H. hemipterinus* (De Stefani, 1898) в 2012 г.

INTRODUCTION

Kuznetsov (1975, 1987) reared a species of *Homalotylus* from *Coccinella septempunctata* Linnaeus in Primorskii krai and from *Chilocorus kuwanae* Silvestri on Sakhalin. I identified it for him traditionally as *H. flaminius* (Dalmam, 1820). Unfortunately I was not acquainted then with the important publication of Klausnitzer (1969) on parasitoids of Coccinellidae in Germany. Later it was sent to me from Dresden by Regine Eck. This investigation of Klausnitzer contains data on morphological and biological differences between *H. flaminius* and *H. eytelweinii* (Ratzeburg, 1844) (the latter sensu Klausnitzer). His interpretation was accepted by J. Noyes, and during my visit to British Museum (Natural History) in 1997 J. Noyes gifted me specimens of *H. flaminius* from Spain ["Casella d. Costa, Barcelona, VI 1971 (Bouček)"] and *H. eytelweinii* from Thailand ["Chieng Mai, Suwon Farm"]. Basing on these reference specimens, I identified a female of *Homalotylus* from Guatemala as *H. eytelweinii* (Trjapitzin & Ruíz-Cancinno, 2003) and my statement on its presence in the Russian Far East (Trjapitzin, 2011).

However, Noyes (2010) changed his opinion on *Homalotylus eytelweinii* based on the examination of the remains of holotype deposited in the Senckenberg Deutsches Entomologisches Institut (Müncheberg) and came to conclusion that this species is not identical with "*H. eytelweinii*" (sensu Klausnitzer) and has not been found anywhere, except Germany. For *H. eytelweinii* auctorum Noyes (2010) proposed to use the forgotten name *H. hemipterinus* (De Stefani, 1898) of the species described from Sicily. He has not been able to locate the type material of *H. hemipterinus*, but analyzed its original description and had no hesitation in assertion that it agrees well with materials of *H. eytelweinii* (sensu Klausnitzer). I accept this taxonomic action of Noyes and will use the name *H. hemipterinus* (De Stefani, 1898).

TAXONOMY

Genus Homalotylus Mayr, 1876

Type species: *Encyrtus flaminius* Dalman, 1820 by subsequent designation (Ashmead, 1900).

NOTES. Timberlake (1919) separated "Flaminius group" of Homalotylus, which he characterized as having "ovipositor not protruded or hardly visible". To this species group belong *H. eytelweinii* and *H. hemipterinus* as well. The hind tarsi of *H. hemipterinus* are completely brown or black, whilst those of *H. flaminius* and *H. eytelweinii* white or pale yellow. Noyes (2010) supposed that *H. eytelweinii* may occur to be a junior synonym of *H. flaminius*.

Homalotylus eytelweinii (Ratzeburg, 1844)

Ratzeburg, 1844: 210, 211 (*Encyrtus*); Noyes, 2010: 148. Germany, from pupa of *Anatis ocellata* (Linnaeus).

DISTRIBUTION. This species is known from type locality (Germany) only.

Homalotylus flaminius (Dalman, 1820)

Dalman, 1820: 340 (*Encyrtus*); Thomson, 1876: 138–139 (*Nobrimus*); Graham, 1969: 234; Klausnitzer, 1969: 10, 11; Trjapitzin & Triapitsyn, 2004: 193; Noyes, 2010: 148.

DISTRIBUTION. Sweden, Germany, former Czechoslovakia, Hungary, Spain, Bulgaria, Russia, Israel, Georgia, Uzbekistan, Mongolia.

BIOLOGY. Solitary parasitoid of larvae of Coccinellidae of the tribe Scymnini; in Germany it has been reared from *Scymnus interruptus* (Goeze) and *S. rubromaculatus* (Goeze), in Hungary – from *S. subvillosus* (Goeze).

Homalotylus hemipterinus (De Stefani, 1898)

Synonyms: *Homalotylus orci* Girault, 1917; *H. flavimesopleurum* Girault, 1917; *Neo-aenasioidea nigritus* Agarwal, 1970 [recte: *nigrita*]; *Echthroplexis tumkurensis* Shafee et Fatma, 1985.

De Stefani, 1898: 250 (*Phaenodiscus*); Girault, 1917a: 3 (*H. orci*); 1917b: 5 (*H. flavimesopleurum*); Telenga, 1948: 69–72 (as *H. flaminius*); Klausnitzer, 1969: 10–11 (as *H. eytelweinii*); Agarval, 1970: 27 (*Neoaenasioidea nigritus*); Trjapitzin & Semyanov, 1982: 21 (as *H. flaminius*); Shafee & Fatma, 1985: 375 (*Echthroplexis tumkurensis*); Sharkov & Trjapitzin, 1995: 251 (as *H. flaminius*); Trjapitzin & Ruíz-Cancino, 2003: 27–30 (as *H. eytelweinii*); Trjapitzin & Triapitzin, 2011: 2 (as *H. eyterweinii*); Trjapitzin *et al.*, 2012: 175.

DISTRIBUTION. This species is widely distributed in Palaearctic Region and found also in all other zoogeographical regions.

BIOLOGY. It is gregarious parasitoid of larvae and pupae of ladybirds from the tribes Coccinellini, Chilocorini and Phylloborini. Among its hosts are known such common and important coccinellids as *Coccinella septempunctata* Linnaeus, *Adalia bipunctata* (Linnaeus),

Chilocorus bipustulatus (Linnaeus), Ch. renipustulatus (Scriba), Ch. kuwanae Silvestri, Exochomus quadripustulatus Linnaeus, E. nigromaculatus (Goeze) (=flavipes Thunberg), and Cycloneda sanguinea (Linnaeus).

CONCLUSION

Species of *Homalotylus* are poorly studied in the Russian Far East. They are still unknown in vast northern territories of the region. As concerns specific validity of *Homalotylus eytelweinii* (Ratzeburg, 1844), the only way to decide this problem is to rear parasitoids from the coniferous ladybirds *Anatis ocellata* (Linnaeus) in the same localities of Germany where they had been collected by J.T.C. Ratzeburg. It would permit to ascertain, wither *H. eytelweinii* is a separate species or a junior synonym of *H. flaminius* (Dalman, 1820).

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